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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/529,554	03/29/2005	Klaus Graeler	P70341US0	7910
136 7590 01/03/2007 JACOBSON HOLMAN PLLC 400 SEVENTH STREET N.W. SUITE 600 WASHINGTON, DC 20004			EXAMINER HINZE, LEO T	
			ART UNIT 2854	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE 3 MONTHS		MAIL DATE 01/03/2007	DELIVERY MODE PAPER	

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No. 10/529,554	Applicant(s) GRAELER ET AL.	
Examiner Leo T. Hinze	Art Unit 2854	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 12 October 2006.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,2,4,5 and 7-20 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☒ Claim(s) 1,2,4,5 and 7-10 is/are allowed.  
6) ☒ Claim(s) 11,12,16-18 and 20 is/are rejected.  
7) ☒ Claim(s) 13-15 and 19 is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 12 October 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

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## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –  
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 11, 12, 16-18 and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Nordby et al., WO 00/78548 A1 (hereafter Nordby). Reference to Nordby is based on the US equivalent patent 6,637,330 B1.

a. Regarding claim 11, Nordby teaches a color chamber doctor blade comprising: a doctor blade knife (4, Fig. 10a) oriented at an angle against a roller (9, Fig. 10a); a clamping plate (5, Fig. 10a) for fixing the doctor blade knife to a doctor blade chamber body (3, Fig. 10a); and a fastener (34, Fig. 10a) for applying a force that enables the clamping plate to fix the doctor blade knife, such that a resultant of the force applied by the fastener points from the clamping plate toward the doctor blade chamber body.

b. Regarding claim 12, Nordby teaches all that is claimed as discussed in the rejection of claim 11 above. Nordby also teaches wherein the fastener is a rotatable rod that is oriented in an axial direction of the roller and substantially parallel to the clamping plate (see cross section shape and orientation of rod 3 in Fig. 10a).

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c. Regarding claim 16, Nordby teaches all that is claimed as discussed in the rejection of claim 11 above. Nordby also teaches wherein the fastener is rotatably housed in the doctor blade chamber body (notice rotation of fastener between Figs. 10a and 10b).

d. Regarding claim 17, Nordby teaches a doctor blade knife (4, Fig. 1) oriented at an angle against a roller (9, Fig. 2); a clamping plate (5, Fig. 1) for fixing the doctor blade knife to a doctor blade chamber body (3, Fig. 1), the clamping plate including a top piece with a clamp (5, Fig. 1); and a rotatable fastener (6, Fig. 1) for applying a force that enables the clamping plate to fix the doctor blade knife, the fastener having a recessed surface with a shoulder for communicating with the clamp (the bolt head provides the shoulder, and the diameter of the shank is "recessed" from the diameter of the head), such that upon rotation of the fastener in a first direction, the clamp engages the shoulder so as to provide the force that enables the clamping plate to fix the doctor blade knife.

e. Regarding claim 18, Nordby teaches all that is claimed as discussed in the rejection of claim 17 above. Nordby also teaches wherein a resultant of the force applied by the fasteners points from the clamping plate toward the doctor blade chamber body (the force of the screws appears to point toward the doctor blade chamber body, Fig. 1).

f. Regarding claim 20, Nordby teaches all that is claimed as discussed in the rejection of claim 17 above. Nordby also teaches wherein the fastener is rotatable in a direction opposite to the first direction such that the clamp disengages from the shoulder and enables the clamping plate to release the doctor blade knife (rotation of the screw 6 in an anti-clockwise manner will cause the clamp 5 to loosen its hold on the knife 4, Fig. 1).

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*Allowable Subject Matter*

3. Claims 1, 2, 4, 5, and 7-10 are allowed.
4. The following is an examiner's statement of reasons for allowance:
  - a. Regarding claims 1 and 10, see the Office Action mailed 12 May 2006 for reasons for allowance.
5. Claims 13-15 and 19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
6. The following is a statement of reasons for the indication of allowable subject matter:
  - a. Regarding claims 13 and 19 the prior art of record does not teach or render obvious a fastener that is a rotatable rod oriented in an axial direction of the roller and parallel to the clamping plate wherein the rod has a recess for communicating with the clamp.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

*Conclusion*

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leo T. Hinze whose telephone number is (571) 272-2167. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Leo T. Hinze  
Patent Examiner  
AU 2854  
20 December 2006



**REN YAN**  
**PRIMARY EXAMINER**



Ok to Enter  
LTH 12/20/06

Fig. 1

PRIOR ART

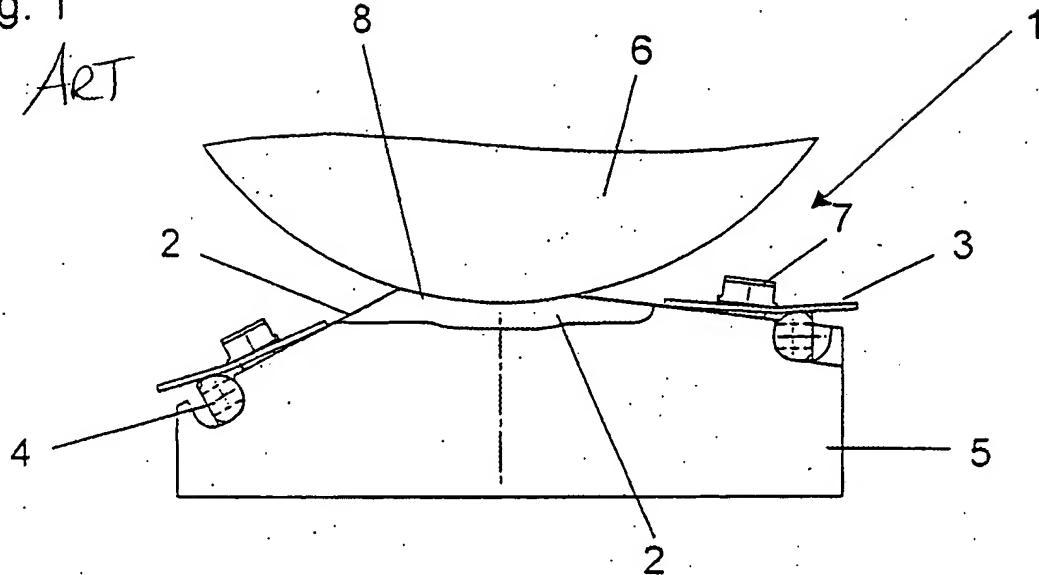


Fig. 2

PRIOR ART

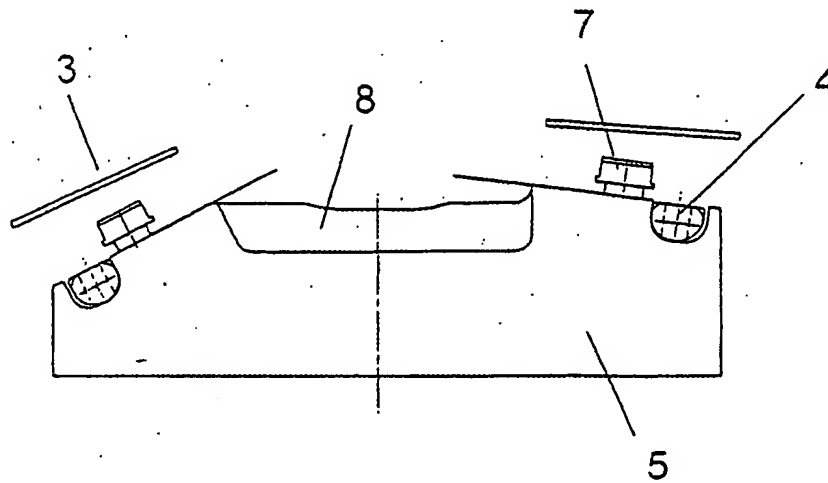


Fig. 3

PRIOR ART

